

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. A31304 B-A-F (069906.0105)	Serial No. 10/076,248
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant Mitchell <i>et al.</i>	
	Filing Date February 12, 2002	Group 1637
	Examiner Wilder, Cynthia Teresa Stnelechia	

U.S. PATENT DOCUMENTS

*Exam. Initial.	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.
TS	14	6,280,978	8/28/ 2001	Mitchell et al.			
	15	6,268,516	07/31/2001	Schneider et al.			
	16	6,083,702	7/4/ 2000	Mitchell et al.			
	17	6,013,487	1/11/ 2000	Mitchell et al.			
	18	5,998,205	12/ 7/1999	Hallenbeck et al.			
	19	5,962,313	10/5/1999	Podsakoff, et al.			
	20	5,962,311	10/ 5/ 1999	Wickham et al.			
	21	5,952,221	9/14/ 1999	Kurtzman et al.			
	22	5,932,210	8/ 3/ 1999	Gregory et al.			
	23	5,928,944	7/27/ 1999	Seth, et al.			
	24	5,922,576	7/ 13/ 1999	He et al.			
	25	5,919,676	7/ 6/ 1999	Graham, et al.			
	26	5,891,690	4/ 6/ 1999	Massie.			
TS	27	5,885,808	3/ 23/ 1999	Spooner, et al.			

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TS	28	5,877,011	3/2/ 1999	Armentano et al.			
	29	5,871,982	2/ 16/ 1999	Wilson et al.			
	30	5,869,037	2/ 9/ 1999	Crystal, et al.			
	31	5,858,351	1/ 12/ 1999	Podsakoff et al.			
	32	5,851,806	12/ 22/ 1998	Kovesdi, et al.			
	33	5,843,742	12/ 1/ 1998	Natsoulis, et al.			
	34	5,837,484	11/ 17/ 1998	Trempe, et al.			
	35	5,820,868	10/ 13/ 1998	Mittal, et al.			
	36	5,789,390	8/ 4/ 1998	Descamps, et al.			
	37	5,756,283	5/26/ 1998	Wilson, et al.			
	38	5,747,072	5/ 5/ 1998	Davidson et al.			
	39	5,731,172	3/ 24/ 1998	Saito, et al.			
	40	5,700,470	12/ 23/ 1997	Saito, et al.			
	41	5,670,488	9/ 23/ 1997	Gregory, et al.			
	42	5,616,326	4/ 1/ 1997	Spibey.			
TS	43	5,589,377	12/ 31/ 1996	Lebkowski, et al.			

NY02:505155.3

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TS	44	5,585,362	12/ 17/ 1996	Wilson, et al.			
	45	5,354,678	10/ 11/ 1994	Lebkowski, et al.			
	46	5,166,320	11/24/1992	Wu et al.			
TS	47	4,980,286	12/ 25/ 1990	Morgan et al.			

FOREIGN PATENT DOCUMENTS

Exam Initial	No.	Document No.	Date	Country	Class	Subclass	Translation Yes No
TS	108	WO8910134	11/02/89	WIPO			
TS	117	WO8809810	12/15/88	WIPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Exam Initial	No.	
TS	1	United States Patent Application Serial No. 10/693,192, filed October 23, 2003, "Screening method for identification of efficient pre-trans-splicing molecules," Mitchell et al.
	2	United States Patent Application Serial No. 10/434,727, filed May 8, 2003, "Use of spliceosome mediated RNA trans-splicing to confer cell selective replication to adenoviruses," Otto.
TS	3	United States Patent Application Serial No. 10/374,784, filed February 25, 2003, "Trans-splicing mediated imaging of gene expression," Mitchell et al.

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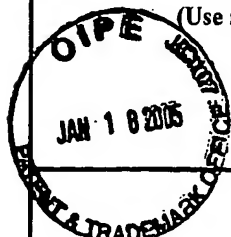
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TS	4	United States Patent Application Serial No. 10/360,787, filed June 5, 2002, "Spliceosome mediated RNA trans-splicing for correction of factor VIII genetic defects," Mitchell et al.
	5	United States Patent Application Serial No. 10/198,447, filed July 17, 2002, "Spliceosome mediated RNA trans-splicing for correction of skin disorders," Mitchell et al.
	6	United States Patent Application Serial No. 10/136,723, filed April 30, 2002, "Transgenic animal model for spliceosome-mediated RNA trans-splicing," Puttaraju et al.
	7	United States Patent Application Serial No. 10/103,294, filed March 30, 2002, "Spliceosome mediated RNA trans-splicing," Mitchell et al.
	8	United States Patent Application Serial No. 10/075,028, filed March 12, 2002, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell et al.
	9	United States Patent Application Serial No. 10/941,492, filed August 29, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell et al.
	10	United States Patent Application Serial No. 09/838,858, filed April 20, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell et al.
	11	United States Patent Application Serial No. 09/756,097, filed Jan. 8, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell et al.
	12	United States Patent Application Serial No. 09/756,095, filed Jan. 8, 2001, published August 22, 2002, as U.S. Patent Publication No. US20020115207, "Method and compositions for use on spliceosome mediated RNA trans-splicing," Mitchell et al.
TS	13	United States Patent Application Serial No. 09/756,096, filed Jan. 8, 2001, "Methods and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell et al.

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TS	48	Bhaumik et al., 2004, "Molecular Imaging of Gene Expression in Living Subjects by Spliceosome-Mediated RNA Trans-Splicing," Proc. Natl. Acad. Sci. USA, 101:8693-8698.
	49	Tahara et al., 2004, "Trans-Splicing Repair of CD40-Ligand Deficiency Results in Naturally Regulated Correction of A Mouse Model of Hyper-IgM X-Linked Immunodeficiency," Nature Medicine, 10:835-841.
	50	Chao et al., 2003, "Phenotype correction of Hemophilia A Mice by Spliceosome-Mediated RNA Trans-splicing," Nature Medicine, 9:1-5.
	51	Liu et al., 2002, "Partial Correction of Endogenous Delta 508 CFTR in Human Cystic Fibrosis Airway Epithelia by Spliceosome-Mediated RNA Trans-Splicing," Nature Biotechnology, 20:47-52.
	52	Kim et al., 2001, "Role of the Nonsense-Mediated Decay Factor hUpf3 in the Splicing Dependent Exon-Exon Junction Complex," Science 293:1832-1836.
	53	Kim et al., 2001, "Replication-selective virotherapy for cancer: Biological principles, risk management and future directions, Nat. Med. 7:781-787.
	54	Tian et al., 2001, "Strong RNA Splicing Enhancers Identified by a Modified Method of Cycled Selection Interact with SR Protein," J. Biological Chemistry 276:33833-33839.
	55	Mansfield et al., 2000, "Repair of CFTR mRNA by spliceosome-mediated RNA trans-splicing," Gene Therapy 7:1885-1895.
	56	Strobel et al., 2000, "Human dendritic cells transfected with either RNA or DNA encoding influenza matrix protein M1 differ in their ability to stimulate cytotoxic T lymphocytes," Gene Ther. 7: 2028-35.
	57	Tacke et al., 1999, "Determinants of SR protein specificity," Curr. Opin. Cell Biol. 11:358-362.
TS	58	He et al. 1998, "A Simplified System for Generating Recombinant Adenoviruses," Proc. Natl. Acad. Sci. USA, 95, 2509-2514.

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TS	59	Lan N et al., 1998, "Ribozyme-mediated Repair of Sickle β -Globin mRNAs in Erythrocyte Precursors" Science 280:1593-1596.
	60	Phylactou LA et al., 1998, "Ribozyme-mediated trans-splicing of a trinucleotide repeat" Nature Genetics 18:378-381.
	61	Staley JP et al., 1998, "Mechanical Devices of the Spliceosome: Motors, Clocks, Springs and Things" Cell 92:315-326.
	62	Bellet et al., 1997, "Malignant transformation of nontrophoblastic cells is associated with the expression of chorionic gonadotropin β genes normally transcribed introphoblastic cells," Cancer Res. 57:516.
	63	Coolidge et al., 1997, "Functional analysis of the polypyrimidine tract in pre-mRNA splicing," Nucleic Acids Res. 25:888.
	64	Crouzet et al. 1997, "Recombinational Construction in Escherichia coli of Infectious Adenoviral Genomes," Proc. Natl. Acad. Sci. USA, 94, 1414-1419.
	65	Fisher et al., 1997, "The transmembrane domain of diphtheria toxin improves molecular conjugate gene transfer," Biochem. J., 321, 49-58.
	66	Good et al., 1997, "Expression of Small, Therapeutic RNAs in Human Cell Nuclei," Gene Ther. 4:45-54.
	67	Malek O et al., 1997, "Evolution of trans-splicing plant mitochondrial introns in pre-Permian times" Proc. Nat'l. Acad. Sci. USA 94:553-558.
	68	Chartier, et al. 1996, "Efficient Generation of REcombinant Adenovirus Vectors by Homologous Recombination in Escherichia coli," J Virol. 70, 4805-4810.
TS	69	Hoon et al., 1996, "Detection of metastatic breast cancer by β -hCG polymerase chain reaction," Int J. Cancer 69:369.

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TS	70	Jones JT et al., 1996, "Tagging ribozyme reaction sites to follow trans-splicing in mammalian cells" Nature Medicine 2:643-648.
	71	Krämer A, 1996, "The structure and function of proteins involved in mammalian Pre-mRNA splicing" Annu. Rev. Biochem. 65:367-404.
	72	Miyake et al. 1996, "Efficient Generation of Recombinant Adenoviruses Using Adenovirus DNA-Terminal Protein Complex and A Cosmid Bearing the Full-Length Virus Genome," Proc. Natl. Acad. Sci. USA, 93, 1320-1324.
	73	Nilsson J et al., 1996, "Multiple affinity domains for the detection, purification, and immobilization of recombinant proteins," J. Mol. Recognit., 1996, 5:585-594.
	74	Pasman Z et al., 1996, "The 5' and 3' splice sites come together via a three dimensional diffusion mechanism" Nucleic Acids Res. 24(9):1638-1645.
	75	Boelens et al., "Nuclear Retention of RNA as a Mechanism," 1995 RNA 1:273-83.
	76	Bruzik JP et al., 1995, "Enhancer-dependent interaction between 5' and 3' splice sites in trans" Proc. Nat'l. Acad. Sci. USA 92:7056-7059.
	77	Chiara MD et al., 1995, "A two-step mechanism for 5' and 3' splice-site pairing" Nature 375:510-513.
	78	Davis RE et al., 1995, "RNA Trans-splicing in Flatworms" J. Biol. Chem. 270:21813-21819.
	79	Eul J et al., 1995, "Experimental evidence for RNA trans-splicing in mammalian cells: EMBO. J. 14(13):3226-3235.
	80	Fu, 1995, "The Superfamily of Arginine/Serine-Rich Splicing Factors," RNA 1:663-680.
	81	Bett et al. 1994, "An Efficient and Flexible System for Construction if Adenovirus Vectors with Insertions or Deletions in Early Regions 1 and 3," Proc. Natl. Acad. Sci. USA, 91,8802-6.
TS	82	Hollenberg et al., 1994, "Multiple promoter elements in the human chorionic gonadotropin b subunit genes distinguish their expression from luteinizing hormone β gene," Mol. Cell Endo., 106:111-119.

NY02:505155.3

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TS	83	Ketner et al., 1994, "Efficient manipulation of the Human Adenovirus Genome as an Infectious Yeast Artificial Chromosome Clone," Proc. Natl. Acad. Sci. USA, 91, 6186-6190.
	84	Lu et al., 1994, "Optimization of methods to achieve mRNA-mediated transfection of tumor cells in vitro and in vivo employing cationic liposome vectors," Dec;1(4):245-52.
	85	Sullenger BA et al., 1994, "Ribozyme-mediated repair of defective mRNA by targeted trans-splicing," Nature 341:619-622.
	86	Goldspiel et al., 1993, "Human gene therapy," Clinical Pharmacy 12:488-505.
	87	Kozarsky and Wilson, 1993, "Gene therapy:adenovirus vectors," Current Opinion in Genetics and Development 3:499-503.
	88	Miller et al., 1993, "Use of adenoviral vectors for gene transfer and expression," Meth. Enzymol. 217:581-599.
	89	Moore and Sharp, 1993, "Evidence for two active sites in the spliceosome provided by stereochemistry of pre-mRNA splicing," Nature, 365:364-368.
	90	Moore, 1993, "Splicing of precursors to mRNA by the spliceosome," in RNA World, R.F. Gesteland and J.F. Atkins, eds. Cold Spring Harbor Laboratory Press, 303-358.
	91	Morgan and Anderson, 1993, "Human Gene Therapy," Ann. Rev. Biochem. 62:191-217.
	92	Mulligan, 1993, "The basic science of gene therapy," Science 260:926-932.
	93	Roscigno et al., 1993, "A mutational analysis of the polypyrimidine tract of introns," J. Bio. Chem., 268:11222-11229.
	94	Tolstoshev, 1993, "Gene therapy, concepts, current trials, and future directions," Ann. Rev. Pharmacol. Toxicol. 33:573-596.
	95	Acevedo et al., 1992, "Human chorionic gonadotropin-beta subunit gene expression in cultured human fetal and cancer cells of different types and origins," Cancer 76:1467.
TS	96	Bruzik JP et al., 1992, "Spliced leader RNAs from lower eukaryotes are trans-spliced in mammalian cells," Nature 360:692-695.

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TS	97	Vellard M et al., 1992, "A potential splicing factor is encoded by the opposite strand of the trans-spliced c-myc exon" Proc. Nat'l. Acad. Sci., 89:2511-2515.
	98	Dingwall and Laskey, 1991, "Nuclear Targeting Sequences - A Consensus?" Trends in Biochem. Sci. 16:478-481.
	99	Ghattas et al., 1991, "The Encephalomyocarditis Virus Internal Ribosome Entry Site Allows Efficient Coexpression of Two Genes from a Recombinant Provirus in Culture Cells and in Embryos," Mol. Cell Biol. 11:5848-5859.
	100	Janknecht et al., 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus," Proc. Natl. Acad. Sci., 88:8972-8976.
	101	Rosenfeld et al. 1991, "Adenovirus-Mediated Transfer of a Recombinant α -1 Antitrypsin Gene to the Lung Epithelium in Vivo," Science. 252, 431-4.
	102	Wu and Wu, 1991, "Delivery systems for gene therapy," Biotherapy 3:87-95.
	103	Gilardi et al. 1990, "Expression of Human α ₁ -Anti-trypsin Using a Recombinant Adenovirus Vector," FEBS Lett. 267, 60-2.
	104	Rajkovic A et al., 1990, "A spliced leader is present on a subset of mRNAs from the human parasite <i>Schistosoma mansoni</i> " Proc. Nat'l. Acad. Sci. USA, 87:8879-8883.
	105	Schneider et al., 1990, "Building blocks for oligonucleotide analogs with dimethyl-sulfide-sulfoxide and sulfone groups replacing phosphodiester linkages," Tet. Letters, 31:335-338.
	106	Senapathy et al., 1990, "Splice junctions, branch point sites, and exons:sequence statistics, identification, and applications to genome project," Methods of Enzymology, 183:252-278.
	107	Uhlmann et al., 1990, "Antisense Oligonucleotides: A New Therapeutic Principle," Chemical Reviews, 90:543-584.
	109	Kerem et al., 1989, "Identification of the Cystic Fibrosis Gene:Genetic analysis," Science, 245:1073-1080.
TS	110	Letsinger et al., 1989, "Cholesterol-conjugated oligonucleotides;synthesis, properties, and activity as inhibitors of replication of human immunodeficiency virus in cell culture, " Proc. Natl. Acad. Sci., 86:6553-6556.

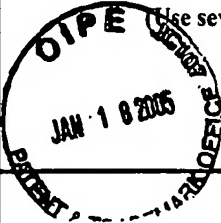
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TS	111	Malone et al., 1989, "Cationic liposome-mediated RNA transfection," Proc. Natl. Acad. Sci. USA. 86, 6077-6081.
	112	Reed, 1989, "The organization of 3' splice sites sequences in mammalian introns," Genes Dev. 3:2113.
	113	Riordan et al., 1989, "Identification of the Cystic Fibrosis Gene: Cloning and characterization of complementary DNA," Science, 245:1066-1073.
	114	Rommens et al., 1989, "Identification of the Cystic Fibrosis Gene: Chromosome walking and jumping," Science, 245:1059-1065.
	115	Shimizu A et al., 1989, "Immunoglobulin double-isotype expression by trans-mRNA in a human immunoglobulin transgenic mouse" Proc. Nat'l. Acad. Sci. USA 86:8020-8023..
	116	Smith et al., 1989, "Scanning from an independently specified branch point defines the 3' splice site of mammalian introns," Nature, 342:243-247.
	118	van der Krol et al., 1988, "Modulation of eukaryotic gene expression by complementary RNA or DNA sequences," BioTechniques, 6:958-976.
	119	Reed & Maniatis 1988, "The role of the mammalian branchpoint sequence in the pre-mRNA splicing," Genes Dev. 2:1268.
	120	Smith et al, 1988, "Single-step purification of polypeptides expressed in Escherichia coli as fusions with glutathione S-transferase," Gene, 67:31.
	121	Zon et al., 1988, "Oligonucleotide analogues as potential chemotherapeutic agents," Pharm. Res., 5:539-549.
	122	Felgner et al., 1987, "Lipofection: a highly efficient, lipid-mediated DNA-transfection procedure," Proc Natl Acad Sci U S A. Nov;84(21):7413-7.
	123	Krause M et al., 1987, "A Trans-spliced Leader Sequence on Actin mRNA in C. elegans" Cell 49:753-761.
TS	124	Lemaitre et al., 1987, "Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site," Proc. Natl. Acad. Sci., 84:648-652.

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TS	125	Wu and Wu, 1987, "Receptor-mediated in vitro gene transformation by a soluble DNA carrier system," J. Biol. Chem., 262:429-4432.
	126	Dingwall and Laskey, 1986, "Protein Import into the Cell Nucleus," Ann. Rev. Cell Biol. 2:367-390.
	127	Murphy et al., 1986, "Identification of a novel Y branch structure as an intermediate in Trypanosome m RNA processing:evidence for Trans splicing," Cell, 47:517.
	128	Smith et al., 1986, "Mr 26,000 antigen of Schistosoma japonica recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase," Proc. Natl. Acad. Sci., 83:8703-8707.
	129	Sutton RE et al., 1986, "Evidence for Trans Splicing in Trypanosomes" Cell 47:527-535.
	130	Konarska MM et al., 1985, "Trans Splicing of mRNA Precursors In Vitro" Cell 46:165-171.
	131	Solnick D, 1985, "Trans Splicing of mRNA Precursors" Cell 42:157-164.
	132	Dubensky et al., 1984, "Direct transfection of viral and plasmid DNA into the liver or spleen of mice," Proc Natl Acad Sci USA 81: 7529-7533.
	133	Talmadge et al., 1984, "Only three of the seven chorionic gonadotropin beta subunit genes can be expressed in the placenta," Nucleic Acids Res. 12:8415.
	134	Accession No. K01722, Corynebacteriophage beta diphtheria toxin (DT) gene, 1983.
	135	Berkner, et al. 1983, "Generation of Adenovirus by Transfection of Plasmids," Nucleic Acids Res. 11, 6003-6020.
	136	Greenfield, 1983, "Nucleotide sequence of the structural gene for the diphtheria toxin carried by corynebacteriophage β ," Proc. Natl. Acad. Sci., 80:6853-6857.
	137	Nicolau et al., 1983, " <i>In vivo</i> expression of rat insulin after intravenous administration of the liposome-entrapped gene for rat insulin I," Proc Natl Acad Sci., 80:1068-1072.
TS	138	Brinster et al., 1982, "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs," Nature, 296:39-42.

NY02:505155.3	
Examiner <i>Teresa Stnelechia</i>	Date Considered <i>4/17/06</i>

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. A31304 B-A-F (069906.0105)	Serial No. 10/076,248
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant Mitchell <i>et al.</i>	
	Filing Date February 12, 2002	Group 1637
	Examiner Wilder, Cynthia Teresa Stuebele	



Exam Initial	No.	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)
TS	139	Benoist et al., 1981, ""In vivo sequence requirements of the SV40 early promoter region," Nature, 290:304-310.
	140	Wagner TE et al., 1981, "Microinjection of a rabbit β -globin gene into zygotes and its subsequent expression in adult mice and their offspring" Proc. Natl. Acad. Sci. USA 78(10):6376-6380.
	141	Yamamoto et al., 1980, "Identification of a functional promoter in the long terminal repeat of Rous Sarcoma Virus," Cell, 22:39-42.
	142	Berget SM et al., 1977, "Spliced segments at the 5' terminus of adenovirus 2 late mRNA" Proc. Natl. Acad. Sci. USA 74(8):3171-3175.
	143	Chow LT et al., 1977, "An Amazing Sequence Arrangement at the 5' Ends of Adenovirus 2 Messenger RNA" Cell 12:1-8.
	144	Graham et al., 1977, "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. Gen. Virol. 36:59-72.
TS	145	Uchida et al, 1973, "Diphtheria toxin and related proteins: isolation and properties of mutant proteins related to diphtheria toxin," J. Biol. Chem., 248:3838.

NY02:505155.3		
Examiner	Teresa Stuebele	Date Considered 4/17/06

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Appl. No. 10/076,248
 Reply to Office action of January 24, 2005
 Response dated May 24, 2005

Sheet 1 of 1

APPLICANT'S ART CITATION (Use several sheets if necessary)		Application		AF File No.		
		10/076,248		027705.00004		
		Applicant				
		MITCHELL et al.				
		Filing Date		Group Art Unit		
		February 12, 2002		1637		
U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate
	US-					
	US-					
	US-					
	US-					
	US-					
	US-					
	US-					
FOREIGN PATENT DOCUMENTS						
	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
TS		Puttaraju et al., <i>Messenger RNA Repair and Restoration of Protein Function by Spliceosome-Mediated RNA Trans-Splicing</i> , Molecular Therapy, vol. 4, 105				
TS		Puttaraju et al., <i>Spliceosome-mediated RNA trans-splicing as a Tool for Gene Therapy</i> , Nature Biotechnology, vol. 17, 246-52 (1999)				
Examiner	Teera Stuebel		Date Considered 4/17/06			
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